

**Scout Association of Hong Kong
Programme Branch (Meteorology Team)**

**Weather Station Management Manual
(Pa Sa Wan Automatic Weather Station)
Date: 18.11.2006
Version 1.0**

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Computer Name

Computer Name: Meteam001

Campsite: Pa Sa Wan Scout Scout Centre

Usage: Automatic Weather Station at Pa Sa Wan Scout Centre

Hardware Information

Model: Compaq Deskpro EP C 500 MHz (EPa/C500/10b/9/64 HK)

Serial No.: E025DV940049

General

Type: Desktop PC

Built-in Devices: Speaker

Width: 44.9 cm

Depth: 43.5 cm

Height: 16.8 cm

Weight: 10.8 kg

Colour: White

Processor

Type: Intel Celeron 500 MHz

Cache Memory

Type: L2 Cache - Pipeline Burst

Installed Size: 128 KB (installed) / 128 KB (max)

Mainboard

Chipset Type: Intel 810E

Data Bus Speed: 66 MHz

RAM

Installed Size: 64 MB / 512 MB (max)

Technology: SDRAM - non-ECC

Form Factor: DIMM 168-PIN

Upgrade Rule: Max 256 MB module

Storage Controller

Type: 1 x IDE - integrated - PCI

Controller Interface Type: ATA-66

Storage

Floppy Drive: 3.5" 1.44 MB floppy

Hard Drive: 1 x 10 GB - standard - ATA-66

Hard Drive (2nd): None

Monitor

Monitor Type: Display - CRT

Diagonal Size: 15"

Viewable Size: 13.8"

Max Resolution: 1024 x 768 / 24-bit (16.7 million colours)

Graphics Controller

Type: AGP - integrated

Graphics Processor / Vendor: Intel 810E

Video Memory: Shared Video Memory (UMA)

Max Resolution (external): 1280 x 1024 / 24-bit (16.7 million colours)

Supported Display Graphics: VGA (640x480), XGA (1024x768), SVGA (800x600), SXGA (1280x1024)

Video Output Supported: RGB

Audio Output

Type: Sound card - PCI - integrated

Sound Output Mode: Stereo

Compliant Standards: AC '97

Driver Download:

Company: Hewlett-Packard Development Company

URL:

<http://h18007.www1.hp.com/support/files/Deskpro/us/family/model/468.html>

Driver**1. Deskpro EP Series a/C500/810e, Microsoft Windows 98****software and drivers by category****Audio** [» top of page](#)

name	current version	previous version
WDM Audio Update for Windows 98SE (SP14728.exe)	» 1.53 A 18 Oct 02	

BIOS [» top of page](#)

name	current version	previous version
ROMPaq for Deskpro EC and EP Series (686J1 ROM) (SP13979.exe)	» V3.08 13 Apr 00	

ROMPaq for Deskpro EC, EN, EP, and EN SFF Series (686J1 ROM) (SP15337.exe)	» V3.10 1 Sep 00	
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Driver - Audio [» top of page](#)

name	current version	previous version
ADI SoundMax AC97 Integrated Digital Audio Driver for Windows 98SE/2000/ME/XP (SP21180.exe)	» 5.12.01.3044  19 Aug 02	

ADI SoundMax Integrated Digital Audio for Windows 95/98 (SP18530.exe)	» 4.11.01.0622 18 Sep 01	
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Creative Labs SoundBlaster AudioPCI 128	» 7.05 C  1 Oct 01 (SP18543.exe)	» 7.05 B  11 Sep 01 (SP18535.exe)
Sound Blaster AudioPCI 128 Driver	» 5.12.1.4111 B  1 Mar 03 (SP24122.exe)	» 5.12.1.4111 A  20 Jul 02 (SP21729.exe)

Driver - Chipset [» top of page](#)

name	current version	previous version
Intel Chipset Support for Windows	» 5.1.0.1008 A 18 Jan 05 (SP27532.exe)	» 5.00.1012 A 6 Feb 04 (SP24297.exe)

Driver - Graphics [» top of page](#)

name	current version	previous version
Deskpro EP/EN Series Video ROM for Millennium G100 Graphics Controller	» 1.6.00 A 30 Jun 99 (SP10924.exe)	» 1.5.00 A 15 Jan 99 (SP9577.exe)

Intel 3D Direct AGP Graphics Video Driver for Windows 95/98 (SP13519.exe)	» 4.11.01.1272 G  3 Jul 00	
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Driver - Keyboard, Mouse and Input Devices

» top of page

name	current version	previous version
Easy Access Buttons Software (SP20295.exe)	» 2.20 D  5 Mar 03	

Driver - Modem

» top of page

name	current version	previous version
Compaq Internal 56K PCI Modem Driver	» 2.10 A 6 Aug 01 (SP16026.exe)	» 1.00 A 19 Jun 00 (SP14710.exe)

Driver - Network

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name	current version	previous version
Deskpro EP/SB/EN Series Drivers for Compaq 10/100 TX PCI Intel (SP7111.exe)	» 1.56 A 30 Jun 98	

Driver for 3Com Etherlink 10/100 PCI For
Complete PC Management NIC
(3C905C-TX)

» 5.11 C 
7 Feb 00 (SP12779.exe)

» 5.11 B 
22 Nov 99 (SP12367.exe)

Intel Alert On LAN Software Utilities

» 1.00 C 
29 May 01 (SP12780.exe)

» 2.5 A 
19 Jun 00 (SP14753.exe)

Intel PRO/100+ NIC Drivers for Windows
95/98

» 3.14 D 
27 Sep 00 (SP15591.exe)

» 3.14 C 
7 Feb 00 (SP12776.exe)

Driver - Storage

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name	current version	previous version
Deskpro EP, EN, and EN Series SFF Fix for False 1782 Error (SP11474.exe)	» 1.0 14 Oct 99	

Family Manager Set Drivers for Ultra 3
SCSI Controllers (SP11665.exe)

» 1 A
1 Sep 99

Firmware Update for Maxtor IDE Hard
Drives (SP10312.exe)

» 1.00 A
15 Jun 99

Firmware Update for Western Digital IDE
Hard Drives (SP10200.exe)

» 1.00 A
15 Jun 99

Firmware

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name	current version	previous version
Compaq Firmware Update Diskette for Maxtor 10, 13.5, 20GB Hard Drives (SP14170.exe)	» 1.00 A 26 Oct 00	

Firmware Update Diskette for Fujitsu
MPG3102AT and MPG3204AT Hard
Drives (SP16768.exe) » 1.00 A
23 Feb 01

Software - Solutions

» top of page

name	current version	previous version
Utility to Reprogram an Electronic Serial Number into BIOS (SP15413.exe)	» 3.0 22 Sep 00	

Software - System Management

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name	current version	previous version
Compaq Diagnostics for Windows (SP18759.exe)	» 3.10 A 15 Sep 01	» 3.08 A 3 Aug 01

Desktop Fix for Windows 98 SE
Shutdown Hang and Standby Issues
(SP15807.exe) » 1.00 A 
27 Oct 00

Diagnostics for Windows (SP25498.exe)	» 4.12 A  8 Mar 04	» 4.11 A  11 Aug 03
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Insight Management Agent for Clients	» 5.01 D  26 Jul 04	» 5.01 C  22 Apr 04
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Japanese Diagnostics for Windows	» 4.12 A  23 Feb 04	» 4.11 A  11 Aug 03
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Personal Computer Diagnostics	» 10.40 A 7 Dec 00	
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Remote Diagnostics Enabling Agent	» 3.02 A  6 Feb 04	» 3.01 A  27 Jan 03
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System Software Manager	» 1.70 A  31 Aug 04	» 1.62 A  15 Apr 04
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Utility

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name	current version	previous version
Remote Services Driver (SP12826.exe)	» 2.01 A  14 Jan 00	

2. Deskpro EP Series a/C500/810e, Microsoft Windows 2000**URL:** http://h18007.www1.hp.com/support/files/Deskpro/us/locate/20_468.html

Driver - Graphics

[» top of page](#)

name	current version	previous version
Intel 3D Direct Graphics Driver for Windows XP & 2000	» 6.13.01.3015 A  9 Aug 02 ((SP21715.exe)	» 6.13.01.2951 A  17 Jun 02 (SP20030.exe)

3. Deskpro EP Series a/C500/810e, Microsoft Windows 95

Driver - Chipset

[» top of page](#)

name	current version	previous version
Intel Chipset Support for Windows (SP21384.exe)	» 4.00.1009 A 16 Sep 02	

Computer Login**1. Administrator**

Login Name: Meteam

Computer Network in the Campsite

Administrator Login

Login Name:

Password:

Network Name:

IP:

DNS:

FTP for Pa Sa Wan Automatic Weather Station

All weather station file will be uploaded into following ftp.

URL: <ftp://meteam.net/pasawan>

Login Name: pasawan@meteam.net

Password: 19112006Pa

Software Installation

1. Operating System: Window 98
(Product Key: HQ7YF-YWKWD-387MK-Q9YXJ-YV6KY)
2. Automachron 5.001 – For Synchronization of computer clock
3. Weather Display 10.36u – For data collection
4. TightVNC 1.2.9 – For remote control of computer

Software Configuration**1. TightVNC**

Server Password: pasawanm

2. Automachron 5.001

This software is connected to the HKO server for the Synchronization of computer clock

Host address: stdtime.gov.hk

3. Weather Display 10.36u

i) Location:

Latitude 22°18'N

Longitude 114°10'E

(The location is same as the HKO location)

ii) Comport No.: 2

iii) Weather Station Type:

OregonScientific Cable Free Weather Station WMR 918

(Model No. WMR928N)

iv) Barometer Offset:

v) Temperature Offset:

vi) Humidity Offset:

Data Recovery**1. Ghost File**

The ghost files saved into D:

i) Window 98 Os only:

D:\Ghost\win98os.gho

ii) Window 98 OS with Weather Display (10.36u) installation:

D:\Ghost\wd1036u.gho

iii) Window 98 OS with Weather Display (10.36d) installation:

D:\Ghost\wd1036d.gho

iv) Window 98 OS with necessary software (without Weather Display):

D:\Ghost\win98oss.gho

2. The Weather Display data saved into following directory:

D:\Backup\wdisplay

3. Software Setup Files:

The necessary files saved into following directory:

i) TightVNC

D:\software\Tight\Window\tightvnc-1.2.9-setup.exe

ii) Weather Display 10.36u

D:\software\wdisplay32.exe

iii) Automachron 5.001

D:\software\Clock_Sync\achron5.exe

iv) EnterNet

D:\software\EnterNet\EnterNet 300 v1.60

4. Driver:

The driver saved into following directory

i) Driver for Graphic and Lan card

D:\Driver

ii) The Compaq original driver

D:\Compaq